

I CLAIM:

(1.) A hand tool for handling a work piece, comprising:

a body portion having therein an adjustable upper [flat surfaced] angular slidable jaw portion oriented to securely grasp a work piece therein, having provided thereon an

5 extended member containing an outer side surface of ratcheted teeth, and a spring actuated notched dog pivoted in a body chamber to engage said ratcheted teeth and means for holding said upper [flat surfaced] angular slidable jaw portion in a cooperative position;

an opposing lower [flat surfaced] angular movable jaw portion in said body portion

10 thereof, oriented to securely grasp said work piece therein; and

a pivoted lever handle therein, having thereon a cam shaped end, held in a neutral position in said body chamber by a retaining spring, when grasped and moved towards

(said body) in a cranking motion, moves a connected link held in tension by a spring in said body chamber, in a downward position causing a second connected pivoted notched

15 device in said body chamber, held in constant position by a second retaining spring in said body chamber, to engage said teeth of said upper [flat surfaced] angular slidable jaw portion to move said upper [flat surfaced] angular slidable jaw portion to a desired position towards said opposing lower [flat surfaced] angular movable jaw portion thereby engaging said work piece firmly between said opposing upper and lower jaws; and

20 said cam action means on said lever handle cam shaped end, urges said lower [flat surfaced] angular movable jaw portion to exert positive gripping force on said work piece therein; and releasing said grasp on said lever handle and moving said lever handle away from said body beyond said neutral position, releases said spring actuated pivoted notched dog and said pivoted notch device away from said upper [flat surfaced] angular

25 slidable jaw notches allowing a compression spring means in said body chamber to move

said upper [flat surfaced] angular slidable jaw portion away from said work piece and said opposing lower [flat surfaced] angular movable jaw portion to a fully open position whereby allowing the operator of said hand tool means to disengage said hand tool from said work piece quickly to engage other work pieces of various sizes.

5 2. The hand tool of claim 1 wherein said work pieces may be hex nuts having obtrusive irregularities at the intersections of its hex-angular surfaces, whereby a groove is adapted at the intersection of the inner surfaces of the said upper [flat surfaced] angular slidable jaw portion and said lower [flat surfaced] angular movable jaw portion to receive said obtrusive irregularities of said work piece on said jaw gripping areas.

10 3. The hand tool of claim 1 wherein said adjustable upper [flat surfaced] angular slidable jaw portion contains thereon serrated areas on the outer surfaces means to apply force to move said upper [flat surfaced] angular slidable jaw portion towards said lower [flat surfaced] angular movable jaw portion to engage said work piece firmly between said upper and lower jaws.

15 4. The hand tool of claim 1 wherein said adjustable upper [flat surfaced] angular slidable jaw portion contains thereon serrated thumb pulls means for applying force to move said upper [flat surfaced] angular slidable jaw portion towards said lower [flat surfaced] angular movable jaw portion to engage said work piece firmly between said upper and lower jaws.

20 5. The hand tool of claim 1 wherein said lower [flat surfaced] angular movable jaw portion contains thereon alignment appendages means to allow said lower [flat surfaced] angular movable jaw portion to move laterally in alignment slits in said body allowing said cam action means to exert said positive gripping force on said work piece therein.

6. The hand tool of claim 1 wherein pivot pins means connect said links to said pivoted
25 lever handle, said notched dog and said notched device.

7. The hand tool of claim 1 wherein pivot pin means connect said pivoted lever handle to said body.
8. The hand tool of claim 1 wherein body pins means allow said upper [flat surfaced] angular slidable jaw portion to move laterally with alignment slits therein.
- 5 9. The hand tool of claim 1 wherein said work pieces may be pipes and pipe fittings, whereby said upper [flat slidable] jaw portion and opposing said lower [flat] movable jaw portion have slanted serrated gripping surface means for handling round work pieces.
10. The hand tool of claim 1 wherein said work pieces may be damaged or irregular in shape, whereby said upper angular slidable jaw portion and opposing said lower angular movable jaw portion have serrated gripping surface means for handling said work pieces.
- 10 11. The hand tool of claim 1 wherein said work pieces may be hex angular or square, whereby said upper slidable jaw portion and opposing said lower movable jaw portion have flat gripping surface means for handling said work pieces.